STIC-ILL

QH301.F4
W C S

From: Prouty, Rebecca
Sent: Monday, February 11, 2002 2:18 PM
To: STIC-ILL
Subject: ILL Request

382738

Art Unit 1652
10A13, 308-4000
Mailbox: 10C01
Serial Number: 09/538,248

Please provide the following reference(s):

L169 ANSWER 7 OF 53 MEDLINE DUPLICATE 7
TI c-Src mediates mitogenic signals and associates with cytoskeletal proteins upon vascular endothelial growth factor stimulation in Kaposi's sarcoma cells.
SO JOURNAL OF IMMUNOLOGY, (2000 Feb 1) 164 (3) 1169-74. Journal code: IFB; 2985117R. ISSN: 0022-1767.
AU Munshi N; Groopman J E; Gill P S; Ganju R K
AN 2000109065 MEDLINE

QH301.F33

L169 ANSWER 11 OF 53 SCISEARCH COPYRIGHT 2002 ISI (R) DUPLICATE 10
TI SRC-family kinase antagonist (PP2) inhibits VEGF-stimulated VE-cadherin tyrosine phosphorylation in microvascular endothelial cells.
SO FASEB JOURNAL, (15 MAR 2000) Vol. 14, No. 4, pp. A145-A145. Publisher: FEDERATION AMER SOC EXP BIOL, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998. ISSN: 0892-6638.
AU Cooke L S (Reprint); Forough R; Dawson N; Parrish A; Hoffman P; Kilgannon P; Granger H G
AN 2000:328497 SCISEARCH

L169 ANSWER 15 OF 53 MEDLINE DUPLICATE 12
TI Vascular endothelial growth factor signals endothelial cell production of nitric oxide and prostacyclin through flk-1/KDR activation of c-Src.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1999 Aug 27) 274 (35) 25130-5. Journal code: HIV; 2985121R. ISSN: 0021-9258.
AU He H; Venema V J; Gu X; Venema R C; Marrero M B; Caldwell R B
AN 1999387002 MEDLINE

L169 ANSWER 30 OF 53 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 21
TI Tyrosine kinases in disease: Overview of kinase inhibitors as therapeutic agents and current drugs in clinical trials.
SO Expert Opinion on Investigational Drugs, (1998) 7/4 (553-573). Refs: 190 ISSN: 1354-3784 CODEN: EOIDER
AU Strawn L.M.; Shawver L.K.
AN 1998120483 EMBASE

L169 ANSWER 52 OF 53 MEDLINE DUPLICATE 35
TI Different signal transduction properties of KDR and Flt1, two receptors for vascular endothelial growth factor.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1994 Oct 28) 269 (43) 26988-95. Journal code: HIV; 2985121R. ISSN: 0021-9258.
AU Waltenberger J; Claesson-Welsh L; Siegbahn A; Shibuya M; Heldin C H
AN 95014567 MEDLINE

VAR -- NO (wrong page ordered)

CAS 2/14

STIC-ILL

1,4

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L169 ANSWER 52 OF 53 MEDLINE DUPLICATE 35
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AU Waltenberger J; Claesson-Welsh L; Siegbahn A; Shibuya M; Heldin C H
AN 95014567 MEDLINE

```
  * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * * *

=> fil reg

=> s 172889-26-8 or 172889-26-9
             1 172889-26-8
                 (172889-26-8/RN)
             0 172889-26-9
                 (172889-26-9/RN)
L2           1 172889-26-8 OR 172889-26-9

=> s 172889-26-8 or 172889-27-9
             1 172889-26-8
                 (172889-26-8/RN)
             1 172889-27-9
                 (172889-27-9/RN)
L3           2 172889-26-8 OR 172889-27-9

=> d tot

L3   ANSWER 1 OF 2  REGISTRY  COPYRIGHT 2002 ACS
RN   172889-27-9  REGISTRY
CN   1H-Pyrazolo[3,4-d]pyrimidin-4-amine, 3-(4-chlorophenyl)-1-(1,1-
     dimethylethyl)- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   PP 2
FS   3D CONCORD
MF   C15 H16 Cl N5
SR   CA
LC   STN Files:   CA, CAPLUS, CHEMCATS, TOXCENTER, TOXLIT, USPATFULL
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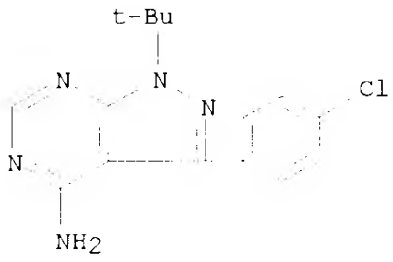


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**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

             10 REFERENCES IN FILE CA (1967 TO DATE)
              2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
             10 REFERENCES IN FILE CAPLUS (1967 TO DATE)

L3   ANSWER 2 OF 2  REGISTRY  COPYRIGHT 2002 ACS
RN   172889-26-8  REGISTRY
CN   1H-Pyrazolo[3,4-d]pyrimidin-4-amine, 1-(1,1-dimethylethyl)-3-(4-
     methylphenyl)- (9CI)  (CA INDEX NAME)
OTHER NAMES:
CN   PP 1
FS   3D CONCORD
MF   C16 H19 N5
```
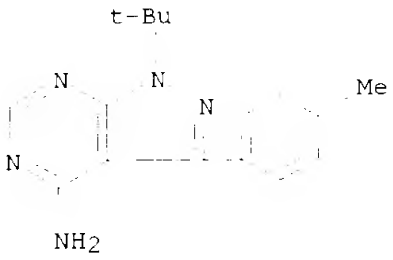

SR CA
LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, TOXLIT, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

20 REFERENCES IN FILE CA (1967 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
20 REFERENCES IN FILE CAPLUS (1967 TO DATE)

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	4.76	35.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.62

=> fil .bec

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.15	0.15

FILES 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIOBASE, BIOTECHNO, WPIDS' ENTERED AT 11:48:22 ON 11 FEB 2002
ALL COPYRIGHTS AND RESTRICTIONS APPLY. SEE HELP USAGETERMS FOR DETAILS.

11 FILES IN THE FILE LIST

=> s vascula?(3a)(permeab? or leak?)
FILE 'MEDLINE'
298739 VASCULA?
86873 PERMEAB?
31878 LEAK?
L1 10344 VASCULA?(3A)(PERMEAB? OR LEAK?)

FILE 'SCISEARCH'
174301 VASCULA?
80092 PERMEAB?
38371 LEAK?
L2 6521 VASCULA?(3A)(PERMEAB? OR LEAK?)

FILE 'LIFESCI'
20055 VASCULA?

```
         15152 PERMEAB?
          4677 LEAK?
L3        1032 VASCULA?(3A)(PERMEAB? OR LEAK?)

FILE 'BIOTECHDS'
          1477 VASCULA?
          2429 PERMEAB?
           751 LEAK?
L4           46 VASCULA?(3A)(PERMEAB? OR LEAK?)

FILE 'BIOSIS'
        812639 VASCULA?
         81574 PERMEAB?
         29396 LEAK?
L5        8035 VASCULA?(3A)(PERMEAB? OR LEAK?)

FILE 'EMBASE'
        315413 VASCULA?
         69207 PERMEAB?
         29788 LEAK?
L6        5851 VASCULA?(3A)(PERMEAB? OR LEAK?)

FILE 'HCAPLUS'
        109683 VASCULA?
        174309 PERMEAB?
         65622 LEAK?
L7        5809 VASCULA?(3A)(PERMEAB? OR LEAK?)

FILE 'NTIS'
          2276 VASCULA?
         12462 PERMEAB?
         14526 LEAK?
L8          79 VASCULA?(3A)(PERMEAB? OR LEAK?)

FILE 'ESBIOBASE'
         45773 VASCULA?
         38894 PERMEAB?
          6664 LEAK?
L9        1555 VASCULA?(3A)(PERMEAB? OR LEAK?)

FILE 'BIOTECHNO'
         26349 VASCULA?
         15091 PERMEAB?
          3867 LEAK?
L10       1053 VASCULA?(3A)(PERMEAB? OR LEAK?)

FILE 'WPIDS'
         13282 VASCULA?
         89571 PERMEAB?
        107887 LEAK?
L11          300 VASCULA?(3A)(PERMEAB? OR LEAK?)

TOTAL FOR ALL FILES
L12       40625 VASCULA?(3A)(PERMEAB? OR LEAK?)

=> s l12(8a)(inhibit? or decreas?)
FILE 'MEDLINE'
        948649 INHIBIT?
        760115 DECREAS?
```

```
L13         663 L1  (8A)(INHIBIT? OR DECREAS?)

FILE 'SCISEARCH'
         732043 INHIBIT?
         691479 DECREAS?
L14         448 L2  (8A)(INHIBIT? OR DECREAS?)

FILE 'LIFESCI'
         262888 INHIBIT?
         182622 DECREAS?
L15          90 L3  (8A)(INHIBIT? OR DECREAS?)

FILE 'BIOTECHDS'
          33375 INHIBIT?
          15496 DECREAS?
L16           6 L4  (8A)(INHIBIT? OR DECREAS?)

FILE 'BIOSIS'
        1022135 INHIBIT?
         885276 DECREAS?
L17         727 L5  (8A)(INHIBIT? OR DECREAS?)

FILE 'EMBASE'
         843314 INHIBIT?
         732340 DECREAS?
L18         672 L6  (8A)(INHIBIT? OR DECREAS?)

FILE 'HCAPLUS'
        1461279 INHIBIT?
        1871874 DECREAS?
L19         880 L7  (8A)(INHIBIT? OR DECREAS?)

FILE 'NTIS'
          19267 INHIBIT?
          49407 DECREAS?
L20           4 L8  (8A)(INHIBIT? OR DECREAS?)

FILE 'ESBIOBASE'
         275631 INHIBIT?
         217812 DECREAS?
L21         172 L9  (8A)(INHIBIT? OR DECREAS?)

FILE 'BIOTECHNO'
         252731 INHIBIT?
         144633 DECREAS?
L22          76 L10(8A)(INHIBIT? OR DECREAS?)

FILE 'WPIDS'
         172552 INHIBIT?
         163615 DECREAS?
L23          57 L11(8A)(INHIBIT? OR DECREAS?)

TOTAL FOR ALL FILES
L24        3795 L12(8A)(INHIBIT? OR DECREAS?)

=> s l24 and (pyrazolopyrimidine# or pp1 or pp2 or src or yes or 172889-26-8 or
172889-27-9)
FILE 'MEDLINE'
            64 PYRAZOLOPYRIMIDINE#
```

```
           973 PP1
           163 PP2
         10746 SRC
          2769 YES
             0 172889-26-8
             0 172889-27-9
L25          1 L13 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
               172889-26-8 OR 172889-27-9)

FILE 'SCISEARCH'
            99 PYRAZOLOPYRIMIDINE#
           979 PP1
           182 PP2
         10238 SRC
          2485 YES
             0 172889-26-8
             0 172889-27-9
L26          1 L14 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
               172889-26-8 OR 172889-27-9)

FILE 'LIFESCI'
            27 PYRAZOLOPYRIMIDINE#
           360 PP1
            43 PP2
          4432 SRC
           373 YES
             0 172889-26-8
             0 172889-27-9
L27          0 L15 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
               172889-26-8 OR 172889-27-9)

FILE 'BIOTECHDS'
             2 PYRAZOLOPYRIMIDINE#
            27 PP1
            11 PP2
           135 SRC
            24 YES
             0 172889-26-8
             0 172889-27-9
L28          0 L16 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
               172889-26-8 OR 172889-27-9)

FILE 'BIOSIS'
           115 PYRAZOLOPYRIMIDINE#
          1104 PP1
           228 PP2
         10426 SRC
          1520 YES
             0 172889-26-8
             0 172889-27-9
L29          2 L17 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
               172889-26-8 OR 172889-27-9)

FILE 'EMBASE'
           122 PYRAZOLOPYRIMIDINE#
           893 PP1
           123 PP2
          7957 SRC
          1922 YES
```

```
             0 172889-26-8
             0 172889-27-9
L30          1 L18 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
               172889-26-8 OR 172889-27-9)

FILE 'HCAPLUS'
          1137 PYRAZOLOPYRIMIDINE#
          1187 PP1
           274 PP2
         10766 SRC
          1478 YES
            20 172889-26-8
            10 172889-27-9
L31          2 L19 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
               172889-26-8 OR 172889-27-9)

FILE 'NTIS'
             1 PYRAZOLOPYRIMIDINE#
            15 PP1
             2 PP2
          1937 SRC
           307 YES
             0 172889-26-8
             0 172889-27-9
L32          0 L20 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
               172889-26-8 OR 172889-27-9)

FILE 'ESBIOBASE'
             9 PYRAZOLOPYRIMIDINE#
           694 PP1
           109 PP2
          4886 SRC
           463 YES
             0 172889
         44754 26
        237842 8
             0 172889-26-8
                 (172889(W)26(W)8)
             0 172889
         42591 27
        177442 9
             0 172889-27-9
                 (172889(W)27(W)9)
L33          1 L21 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
               172889-26-8 OR 172889-27-9)

FILE 'BIOTECHNO'
            15 PYRAZOLOPYRIMIDINE#
           571 PP1
            76 PP2
          5674 SRC
           307 YES
             0 172889-26-8
             0 172889-27-9
L34          1 L22 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
               172889-26-8 OR 172889-27-9)

FILE 'WPIDS'
            71 PYRAZOLOPYRIMIDINE#
```

```
          140 PP1
           69 PP2
          462 SRC
          676 YES
            0 172889
       300469 26
      1687338 8
            0 172889-26-8
                (172889(W)26(W)8)
            0 172889
       186349 27
      1310082 9
            0 172889-27-9
                (172889(W)27(W)9)
L35         3 L23 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
              172889-26-8 OR 172889-27-9)

TOTAL FOR ALL FILES
L36        12 L24 AND (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR
              172889-26-8 OR 172889-27-9)

=> s vascular endothelial or vpf or vegf
FILE 'MEDLINE'
       279253 VASCULAR
        78248 ENDOTHELIAL
        10945 VASCULAR ENDOTHELIAL
                (VASCULAR(W)ENDOTHELIAL)
          278 VPF
         4522 VEGF
L37     11478 VASCULAR ENDOTHELIAL OR VPF OR VEGF

FILE 'SCISEARCH'
       160520 VASCULAR
       101259 ENDOTHELIAL
        13251 VASCULAR ENDOTHELIAL
                (VASCULAR(W)ENDOTHELIAL)
          387 VPF
         6026 VEGF
L38     14872 VASCULAR ENDOTHELIAL OR VPF OR VEGF

FILE 'LIFESCI'
        18149 "VASCULAR"
        13662 "ENDOTHELIAL"
         2261 VASCULAR ENDOTHELIAL
                ("VASCULAR"(W)"ENDOTHELIAL")
           70 VPF
          918 VEGF
L39      2314 VASCULAR ENDOTHELIAL OR VPF OR VEGF

FILE 'BIOTECHDS'
         1340 VASCULAR
         1266 ENDOTHELIAL
          364 VASCULAR ENDOTHELIAL
                (VASCULAR(W)ENDOTHELIAL)
           11 VPF
          159 VEGF
L40       377 VASCULAR ENDOTHELIAL OR VPF OR VEGF

FILE 'BIOSIS'
```

```
        793732 VASCULAR
        101898 ENDOTHELIAL
         16300 VASCULAR ENDOTHELIAL
                 (VASCULAR(W)ENDOTHELIAL)
           342 VPF
          6383 VEGF
L41       16826 VASCULAR ENDOTHELIAL OR VPF OR VEGF

FILE 'EMBASE'
        294094 "VASCULAR"
         74125 "ENDOTHELIAL"
         10117 VASCULAR ENDOTHELIAL
                 ("VASCULAR"(W)"ENDOTHELIAL")
           269 VPF
          4223 VEGF
L42       10689 VASCULAR ENDOTHELIAL OR VPF OR VEGF

FILE 'HCAPLUS'
        102821 VASCULAR
         61437 ENDOTHELIAL
         12482 VASCULAR ENDOTHELIAL
                 (VASCULAR(W)ENDOTHELIAL)
           311 VPF
          4984 VEGF
L43       12861 VASCULAR ENDOTHELIAL OR VPF OR VEGF

FILE 'NTIS'
          2097 VASCULAR
           579 ENDOTHELIAL
            54 VASCULAR ENDOTHELIAL
                 (VASCULAR(W)ENDOTHELIAL)
            36 VPF
            25 VEGF
L44          101 VASCULAR ENDOTHELIAL OR VPF OR VEGF

FILE 'ESBIOBASE'
         42688 VASCULAR
         36302 ENDOTHELIAL
          5684 VASCULAR ENDOTHELIAL
                 (VASCULAR(W)ENDOTHELIAL)
           161 VPF
          3094 VEGF
L45        6043 VASCULAR ENDOTHELIAL OR VPF OR VEGF

FILE 'BIOTECHNO'
         24329 VASCULAR
         21443 ENDOTHELIAL
          4615 VASCULAR ENDOTHELIAL
                 (VASCULAR(W)ENDOTHELIAL)
           157 VPF
          2498 VEGF
L46        4902 VASCULAR ENDOTHELIAL OR VPF OR VEGF

FILE 'WPIDS'
         12176 VASCULAR
          2932 ENDOTHELIAL
           831 VASCULAR ENDOTHELIAL
                 (VASCULAR(W)ENDOTHELIAL)
            50 VPF
```

```
          533 VEGF
L47       980 VASCULAR ENDOTHELIAL OR VPF OR VEGF

TOTAL FOR ALL FILES
L48     81443 VASCULAR ENDOTHELIAL OR VPF OR VEGF

=> s (pyrazolopyrimidine# or pp1 or pp2 or src or yes or 172889-26-8 or 172889-27-9)
FILE 'MEDLINE'
           64 PYRAZOLOPYRIMIDINE#
          973 PP1
          163 PP2
        10746 SRC
         2769 YES
            0 172889-26-8
            0 172889-27-9
L49     14100 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
              OR 172889-27-9)

FILE 'SCISEARCH'
           99 PYRAZOLOPYRIMIDINE#
          979 PP1
          182 PP2
        10238 SRC
         2485 YES
            0 172889-26-8
            0 172889-27-9
L50     13461 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
              OR 172889-27-9)

FILE 'LIFESCI'
           27 PYRAZOLOPYRIMIDINE#
          360 PP1
           43 PP2
         4432 SRC
          373 YES
            0 172889-26-8
            0 172889-27-9
L51       5003 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
               OR 172889-27-9)

FILE 'BIOTECHDS'
            2 PYRAZOLOPYRIMIDINE#
           27 PP1
           11 PP2
          135 SRC
           24 YES
            0 172889-26-8
            0 172889-27-9
L52         188 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
               OR 172889-27-9)

FILE 'BIOSIS'
          115 PYRAZOLOPYRIMIDINE#
         1104 PP1
          228 PP2
        10426 SRC
         1520 YES
            0 172889-26-8
            0 172889-27-9
```

```
L53       12726 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
                OR 172889-27-9)

FILE 'EMBASE'
            122 PYRAZOLOPYRIMIDINE#
            893 PP1
            123 PP2
           7957 SRC
           1922 YES
              0 172889-26-8
              0 172889-27-9
L54       10540 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
                OR 172889-27-9)

FILE 'HCAPLUS'
           1137 PYRAZOLOPYRIMIDINE#
           1187 PP1
            274 PP2
          10766 SRC
           1478 YES
             20 172889-26-8
             10 172889-27-9
L55       14195 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
                OR 172889-27-9)

FILE 'NTIS'
              1 PYRAZOLOPYRIMIDINE#
             15 PP1
              2 PP2
           1937 SRC
            307 YES
              0 172889-26-8
              0 172889-27-9
L56        2260 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
                OR 172889-27-9)

FILE 'ESBIOBASE'
              9 PYRAZOLOPYRIMIDINE#
            694 PP1
            109 PP2
           4886 SRC
            463 YES
              0 172889
          44754 26
         237842 8
              0 172889-26-8
                  (172889(W)26(W)8)
              0 172889
          42591 27
         177442 9
              0 172889-27-9
                  (172889(W)27(W)9)
L57        5828 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
                OR 172889-27-9)

FILE 'BIOTECHNO'
             15 PYRAZOLOPYRIMIDINE#
            571 PP1
             76 PP2
```

```
          5674 SRC
           307 YES
             0 172889-26-8
             0 172889-27-9
L58        6329 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
               OR 172889-27-9)

FILE 'WPIDS'
            71 PYRAZOLOPYRIMIDINE#
           140 PP1
            69 PP2
           462 SRC
           676 YES
             0 172889
        300469 26
       1687338 8
             0 172889-26-8
                 (172889(W)26(W)8)
             0 172889
        186349 27
       1310082 9
             0 172889-27-9
                 (172889(W)27(W)9)
L59        1322 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
               OR 172889-27-9)

TOTAL FOR ALL FILES
L60       85952 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR SRC OR YES OR 172889-26-8
               OR 172889-27-9)

=> s l48 and l60
FILE 'MEDLINE'
L61          90 L37 AND L49

FILE 'SCISEARCH'
L62          96 L38 AND L50

FILE 'LIFESCI'
L63          21 L39 AND L51

FILE 'BIOTECHDS'
L64           0 L40 AND L52

FILE 'BIOSIS'
L65          97 L41 AND L53

FILE 'EMBASE'
L66          68 L42 AND L54

FILE 'HCAPLUS'
L67         109 L43 AND L55

FILE 'NTIS'
L68           0 L44 AND L56

FILE 'ESBIOBASE'
L69          56 L45 AND L57

FILE 'BIOTECHNO'
```

```
L70          43 L46 AND L58

FILE 'WPIDS'
L71          16 L47 AND L59

TOTAL FOR ALL FILES
L72         596 L48 AND L60

=> s l48(15a)l60
FILE 'MEDLINE'
L73          40 L37(15A)L49

FILE 'SCISEARCH'
L74          44 L38(15A)L50

FILE 'LIFESCI'
L75          17 L39(15A)L51

FILE 'BIOTECHDS'
L76           0 L40(15A)L52

FILE 'BIOSIS'
L77          44 L41(15A)L53

FILE 'EMBASE'
L78          39 L42(15A)L54

FILE 'HCAPLUS'
L79          43 L43(15A)L55

FILE 'NTIS'
L80           0 L44(15A)L56

FILE 'ESBIOBASE'
L81          32 L45(15A)L57

FILE 'BIOTECHNO'
L82          27 L46(15A)L58

FILE 'WPIDS'
L83           6 L47(15A)L59

TOTAL FOR ALL FILES
L84         292 L48(15A) L60


=> s (src or yes)(8a)(inhibit? or decreas?)
FILE 'MEDLINE'
          10746 SRC
           2769 YES
         948649 INHIBIT?
         760115 DECREAS?
L85         1260 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

FILE 'SCISEARCH'
          10238 SRC
           2485 YES
         732043 INHIBIT?
         691479 DECREAS?
```

```
L86       1225 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

FILE 'LIFESCI'
          4432 SRC
           373 YES
        262888 INHIBIT?
        182622 DECREAS?
L87        494 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

FILE 'BIOTECHDS'
           135 SRC
            24 YES
         33375 INHIBIT?
         15496 DECREAS?
L88          13 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

FILE 'BIOSIS'
         10426 SRC
          1520 YES
       1022135 INHIBIT?
        885276 DECREAS?
L89        1408 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

FILE 'EMBASE'
          7957 SRC
          1922 YES
        843314 INHIBIT?
        732340 DECREAS?
L90        1162 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

FILE 'HCAPLUS'
         10766 SRC
          1478 YES
       1461279 INHIBIT?
       1871874 DECREAS?
L91        1416 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

FILE 'NTIS'
          1937 SRC
           307 YES
         19267 INHIBIT?
         49407 DECREAS?
L92          22 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

FILE 'ESBIOBASE'
          4886 SRC
           463 YES
        275631 INHIBIT?
        217812 DECREAS?
L93         821 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

FILE 'BIOTECHNO'
          5674 SRC
           307 YES
        252731 INHIBIT?
        144633 DECREAS?
L94         729 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

FILE 'WPIDS'
```

```
          462 SRC
          676 YES
       172552 INHIBIT?
       163615 DECREAS?
L95         80 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

TOTAL FOR ALL FILES
L96       8630 (SRC OR YES)(8A)(INHIBIT? OR DECREAS?)

=> s (pyrazolopyrimidine# or pp1 or pp2 or 172889-26-8 or 172889-27-9)
FILE 'MEDLINE'
           64 PYRAZOLOPYRIMIDINE#
          973 PP1
          163 PP2
            0 172889-26-8
            0 172889-27-9
L97       1153 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

FILE 'SCISEARCH'
           99 PYRAZOLOPYRIMIDINE#
          979 PP1
          182 PP2
            0 172889-26-8
            0 172889-27-9
L98       1216 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

FILE 'LIFESCI'
           27 PYRAZOLOPYRIMIDINE#
          360 PP1
           43 PP2
            0 172889-26-8
            0 172889-27-9
L99        416 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

FILE 'BIOTECHDS'
            2 PYRAZOLOPYRIMIDINE#
           27 PP1
           11 PP2
            0 172889-26-8
            0 172889-27-9
L100        35 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

FILE 'BIOSIS'
          115 PYRAZOLOPYRIMIDINE#
         1104 PP1
          228 PP2
            0 172889-26-8
            0 172889-27-9
L101      1385 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

FILE 'EMBASE'
          122 PYRAZOLOPYRIMIDINE#
          893 PP1
          123 PP2
```

```
             0 172889-26-8
             0 172889-27-9
L102      1105 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

FILE 'HCAPLUS'
          1137 PYRAZOLOPYRIMIDINE#
          1187 PP1
           274 PP2
            20 172889-26-8
            10 172889-27-9
L103      2532 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

FILE 'NTIS'
             1 PYRAZOLOPYRIMIDINE#
            15 PP1
             2 PP2
             0 172889-26-8
             0 172889-27-9
L104        18 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

FILE 'ESBIOBASE'
             9 PYRAZOLOPYRIMIDINE#
           694 PP1
           109 PP2
             0 172889
         44754 26
        237842 8
             0 172889-26-8
                 (172889(W)26(W)8)
             0 172889
         42591 27
        177442 9
             0 172889-27-9
                 (172889(W)27(W)9)
L105       784 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

FILE 'BIOTECHNO'
            15 PYRAZOLOPYRIMIDINE#
           571 PP1
            76 PP2
             0 172889-26-8
             0 172889-27-9
L106       645 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

FILE 'WPIDS'
            71 PYRAZOLOPYRIMIDINE#
           140 PP1
            69 PP2
             0 172889
        300469 26
       1687338 8
             0 172889-26-8
                 (172889(W)26(W)8)
             0 172889
```

```
        186349 27
       1310082 9
             0 172889-27-9
               (172889(W)27(W)9)
L107       225 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

TOTAL FOR ALL FILES
L108      9514 (PYRAZOLOPYRIMIDINE# OR PP1 OR PP2 OR 172889-26-8 OR 172889-27-9
               )

=> s l96 and l108
FILE 'MEDLINE'
L109       252 L85 AND L97

FILE 'SCISEARCH'
L110       234 L86 AND L98

FILE 'LIFESCI'
L111        83 L87 AND L99

FILE 'BIOTECHDS'
L112         0 L88 AND L100

FILE 'BIOSIS'
L113       307 L89 AND L101

FILE 'EMBASE'
L114       217 L90 AND L102

FILE 'HCAPLUS'
L115       253 L91 AND L103

FILE 'NTIS'
L116         1 L92 AND L104

FILE 'ESBIOBASE'
L117       195 L93 AND L105

FILE 'BIOTECHNO'
L118       135 L94 AND L106

FILE 'WPIDS'
L119         3 L95 AND L107

TOTAL FOR ALL FILES
L120      1680 L96 AND L108

=> s l96(5a)l108
FILE 'MEDLINE'
L121       236 L85(5A)L97

FILE 'SCISEARCH'
L122       213 L86(5A)L98

FILE 'LIFESCI'
L123        78 L87(5A)L99

FILE 'BIOTECHDS'
```

```
L124          0 L88(5A)L100

FILE 'BIOSIS'
L125        284 L89(5A)L101

FILE 'EMBASE'
L126        194 L90(5A)L102

FILE 'HCAPLUS'
L127        231 L91(5A)L103

FILE 'NTIS'
L128          1 L92(5A)L104

FILE 'ESBIOBASE'
L129        179 L93(5A)L105

FILE 'BIOTECHNO'
L130        128 L94(5A)L106

FILE 'WPIDS'
L131          1 L95(5A)L107

TOTAL FOR ALL FILES
L132       1545 L96(5A) L108

=> s 124 and l108
FILE 'MEDLINE'
L133          0 L13 AND L97

FILE 'SCISEARCH'
L134          0 L14 AND L98

FILE 'LIFESCI'
L135          0 L15 AND L99

FILE 'BIOTECHDS'
L136          0 L16 AND L100

FILE 'BIOSIS'
L137          1 L17 AND L101

FILE 'EMBASE'
L138          0 L18 AND L102

FILE 'HCAPLUS'
L139          1 L19 AND L103

FILE 'NTIS'
L140          0 L20 AND L104

FILE 'ESBIOBASE'
L141          0 L21 AND L105

FILE 'BIOTECHNO'
L142          0 L22 AND L106

FILE 'WPIDS'
L143          0 L23 AND L107
```

```
TOTAL FOR ALL FILES
L144          2 L24 AND L108

=> s 148 and 1108
FILE 'MEDLINE'
L145         10 L37 AND L97

FILE 'SCISEARCH'
L146         14 L38 AND L98

FILE 'LIFESCI'
L147          2 L39 AND L99

FILE 'BIOTECHDS'
L148          0 L40 AND L100

FILE 'BIOSIS'
L149         14 L41 AND L101

FILE 'EMBASE'
L150          8 L42 AND L102

FILE 'HCAPLUS'
L151         15 L43 AND L103

FILE 'NTIS'
L152          0 L44 AND L104

FILE 'ESBIOBASE'
L153          8 L45 AND L105

FILE 'BIOTECHNO'
L154          4 L46 AND L106

FILE 'WPIDS'
L155          1 L47 AND L107

TOTAL FOR ALL FILES
L156         76 L48 AND L108

=> s (136 or 184 or 1144 or 1156) not 2001-2002/py
FILE 'MEDLINE'
        501323 2001-2002/PY
L157         33 (L25 OR L73 OR L133 OR L145) NOT 2001-2002/PY

FILE 'SCISEARCH'
        969262 2001-2002/PY
L158         39 (L26 OR L74 OR L134 OR L146) NOT 2001-2002/PY

FILE 'LIFESCI'
         64358 2001-2002/PY
L159         15 (L27 OR L75 OR L135 OR L147) NOT 2001-2002/PY

FILE 'BIOTECHDS'
         11462 2001-2002/PY
L160          0 (L28 OR L76 OR L136 OR L148) NOT 2001-2002/PY

FILE 'BIOSIS'
```

```
        461214 2001-2002/PY
L161         38 (L29 OR L77 OR L137 OR L149) NOT 2001-2002/PY

FILE 'EMBASE'
        433129 2001-2002/PY
L162         35 (L30 OR L78 OR L138 OR L150) NOT 2001-2002/PY

FILE 'HCAPLUS'
       1027851 2001-2002/PY
L163         32 (L31 OR L79 OR L139 OR L151) NOT 2001-2002/PY

FILE 'NTIS'
             0 2001-2002/PY
L164         0 (L32 OR L80 OR L140 OR L152) NOT 2001-2002/PY

FILE 'ESBIOBASE'
        271702 2001-2002/PY
L165         27 (L33 OR L81 OR L141 OR L153) NOT 2001-2002/PY

FILE 'BIOTECHNO'
        114906 2001-2002/PY
L166         25 (L34 OR L82 OR L142 OR L154) NOT 2001-2002/PY

FILE 'WPIDS'
        889018 2001-2002/PY
L167          0 (L35 OR L83 OR L143 OR L155) NOT 2001-2002/PY

TOTAL FOR ALL FILES
L168        244 (L36 OR L84 OR L144 OR L156) NOT 2001-2002/PY

=> dup rem l168
PROCESSING COMPLETED FOR L168
L169          53 DUP REM L168 (191 DUPLICATES REMOVED)

=> d tot

L169 ANSWER 1 OF 53     MEDLINE                              DUPLICATE 1
TI   Collagen, convulxin, and thrombin stimulate aggregation-independent
     tyrosine phosphorylation of CD31 in platelets. Evidence for the
     involvement of Src family kinases.
SO   JOURNAL OF BIOLOGICAL CHEMISTRY, (2000 Sep 1) 275 (35) 27339-47.
     Journal code: HIV; 2985121R. ISSN: 0021-9258.
AU   Cicmil M; Thomas J M; Sage T; Barry F A; Leduc M; Bon C; Gibbins J M
AN   2000472698     MEDLINE

L169 ANSWER 2 OF 53     MEDLINE                              DUPLICATE 2
TI   Norepinephrine induces vascular endothelial growth
     factor gene expression in brown adipocytes through a beta
     -adrenoreceptor/cAMP/protein kinase A pathway involving Src but
     independently of Erk1/2.
SO   JOURNAL OF BIOLOGICAL CHEMISTRY, (2000 May 5) 275 (18) 13802-11.
     Journal code: HIV; 2985121R. ISSN: 0021-9258.
AU   Fredriksson J M; Lindquist J M; Bronnikov G E; Nedergaard J
AN   2000250944     MEDLINE

L169 ANSWER 3 OF 53     MEDLINE                              DUPLICATE 3
TI   Oncogenes and tumor angiogenesis: the HPV-16 E6 oncoprotein activates the
     vascular endothelial growth factor (VEGF) gene promoter in a p53
     independent manner.
```

SO ONCOGENE, (2000 Sep 21) 19 (40) 4611-20.
Journal code: ONC. ISSN: 0950-9232.
AU Lopez-Ocejo O; Viloria-Petit A; Bequet-Romero M; Mukhopadhyay D; Rak J; Kerbel R S
AN 2000478410 MEDLINE

L169 ANSWER 4 OF 53 MEDLINE DUPLICATE 4
TI Identification of substituted 3-[(4,5,6, 7-tetrahydro-1H-indol-2-yl)methylene]-1,3-dihydroindol-2-ones as growth factor receptor inhibitors for VEGF-R2 (Flk-1/KDR), FGF-R1, and PDGF-Rbeta tyrosine kinases.
SO JOURNAL OF MEDICINAL CHEMISTRY, (2000 Jul 13) 43 (14) 2655-63.
Journal code: J0F; 9716531. ISSN: 0022-2623.
AU Sun L; Tran N; Liang C; Hubbard S; Tang F; Lipson K; Schreck R; Zhou Y; McMahon G; Tang C
AN 2000353480 MEDLINE

L169 ANSWER 5 OF 53 MEDLINE DUPLICATE 5
TI PTK787/ZK 222584, a novel and potent inhibitor of vascular endothelial growth factor receptor tyrosine kinases, impairs vascular endothelial growth factor-induced responses and tumor growth after oral administration.
SO CANCER RESEARCH, (2000 Apr 15) 60 (8) 2178-89.
Journal code: CNF; 2984705R. ISSN: 0008-5472.
AU Wood J M; Bold G; Buchdunger E; Cozens R; Ferrari S; Frei J; Hofmann F; Mestan J; Mett H; O'Reilly T; Persohn E; Rosel J; Schnell C; Stover D; Theuer A; Towbin H; Wenger F; Woods-Cook K; Menrad A; Siemeister G; Schirner M; Thierauch K H; Schneider M R; Drevs J; Martiny-Baron G; Totzke F
AN 2000246354 MEDLINE

L169 ANSWER 6 OF 53 MEDLINE DUPLICATE 6
TI Opposite effects of pressurized steady versus pulsatile perfusion on **vascular endothelial** cell cytosolic pH: role of tyrosine kinase and mitogen-activated protein kinase signaling.
SO CIRCULATION RESEARCH, (2000 Jun 23) 86 (12) 1230-6.
Journal code: DAJ; 0047103. ISSN: 1524-4571.
AU Wittstein I S; Qiu W; Ziegelstein R C; Hu Q; Kass D A
AN 2000325061 MEDLINE

L169 ANSWER 7 OF 53 MEDLINE DUPLICATE 7
TI c-**Src** mediates mitogenic signals and associates with cytoskeletal proteins upon **vascular endothelial** growth factor stimulation in Kaposi's sarcoma cells.
SO JOURNAL OF IMMUNOLOGY, (2000 Feb 1) 164 (3) 1169-74.
Journal code: IFB; 2985117R. ISSN: 0022-1767.
AU Munshi N; Groopman J E; Gill P S; Ganju R K
AN 2000109065 MEDLINE

L169 ANSWER 8 OF 53 MEDLINE DUPLICATE 8
TI Induction by carbon-ion irradiation of the expression of vascular endothelial growth factor in lung carcinoma cells.
SO INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, (2000 Aug) 76 (8) 1121-7.
Journal code: IRB; 8809243. ISSN: 0955-3002.
AU Ando S; Nojima K; Ishihara H; Suzuki M; Ando M; Majima H; Ando K; Kuriyama T
AN 2000413801 MEDLINE

L169 ANSWER 9 OF 53 MEDLINE DUPLICATE 9
TI The Shc-related adaptor protein, Sck, forms a complex with the

vascular-endothelial-growth-factor receptor KDR in transfected cells.
SO BIOCHEMICAL JOURNAL, (2000 Apr 15) 347 (Pt 2) 501-9.
Journal code: 9YO; 2984726R. ISSN: 0264-6021.
AU Warner A J; Lopez-Dee J; Knight E L; Feramisco J R; Prigent S A
AN 2001132966 MEDLINE

L169 ANSWER 10 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Intercellular signaling within vascular cells under hyperglycemia involves free radical-triggered tyrosine kinase activation.
SO Journal of Submicroscopic Cytology and Pathology, (July, 2000) Vol. 32, No. 3, pp. 471. print.
Meeting Info.: XIth International Vascular Biology Meeting Geneva, Switzerland September 05-09, 2000
ISSN: 1122-9497.
AU Graier, W. F. (1); Schaeffer, G. (1); Levak-Frank, S. (1); Spitaler, M. M. (1)
AN 2001:100521 BIOSIS

L169 ANSWER 11 OF 53 SCISEARCH COPYRIGHT 2002 ISI (R) DUPLICATE 10
TI **SRC**-family kinase antagonist (**PP2**) inhibits **VEGF**-stimulated VE-cadherin tyrosine phosphorylation in microvascular endothelial cells.
SO FASEB JOURNAL, (15 MAR 2000) Vol. 14, No. 4, pp. A145-A145.
Publisher: FEDERATION AMER SOC EXP BIOL, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814-3998.
ISSN: 0892-6638.
AU Cooke L S (Reprint); Forough R; Dawson N; Parrish A; Hoffman P; Kilgannon P; Granger H G
AN 2000:328497 SCISEARCH

L169 ANSWER 12 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI The mechanism by which angiopoietin 1 **inhibits VEGF** -mediated **vascular permeability**.
SO Blood, (November 16, 2000) Vol. 96, No. 11 Part 2, pp. 62b. print.
Meeting Info.: 42nd Annual Meeting of the American Society of Hematology San Francisco, California, USA December 01-05, 2000 American Society of Hematology
. ISSN: 0006-4971.
AU Wang, Yihong (1); Pampou, Sergei; Varticovski, Lyuba (1)
AN 2001:312197 BIOSIS

L169 ANSWER 13 OF 53 MEDLINE DUPLICATE 11
TI Inhibition of vascular endothelial growth factor (VEGF) as a novel approach for cancer therapy.
SO MEDICINA, (2000) 60 Suppl 2 41-7.
Journal code: MMM. ISSN: 0025-7680.
AU Wood J M
AN 2001098649 MEDLINE

L169 ANSWER 14 OF 53 SCISEARCH COPYRIGHT 2002 ISI (R)
TI Shear stress stimulation of p130(cas) tyrosine phosphorylation requires calcium-dependent c-Src activation
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (17 SEP 1999) Vol. 274, No. 38, pp. 26803-26809.
Publisher: AMER SOC BIOCHEMISTRY MOLECULAR BIOLOGY INC, 9650 ROCKVILLE PIKE, BETHESDA, MD 20814.
ISSN: 0021-9258.
AU Okuda M; Takahashi M; Suero J; Murry C E; Traub O; Kawakatsu H; Berk B C (Reprint)

AN 1999:719861 SCISEARCH

L169 ANSWER 15 OF 53 MEDLINE DUPLICATE 12
TI Vascular endothelial growth factor signals endothelial cell production of nitric oxide and prostacyclin through flk-1/KDR activation of c-Src.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1999 Aug 27) 274 (35) 25130-5.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
AU He H; Venema V J; Gu X; Venema R C; Marrero M B; Caldwell R B
AN 1999387002 MEDLINE

L169 ANSWER 16 OF 53 MEDLINE DUPLICATE 13
TI Decreased Src tyrosine kinase activity inhibits malignant human ovarian cancer tumor growth in a nude mouse model.
SO CLINICAL CANCER RESEARCH, (1999 Aug) 5 (8) 2164-70.
Journal code: C2H; 9502500. ISSN: 1078-0432.
AU Wiener J R; Nakano K; Kruzelock R P; Bucana C D; Bast R C Jr; Gallick G E
AN 1999400080 MEDLINE

L169 ANSWER 17 OF 53 MEDLINE DUPLICATE 14
TI Vascular endothelial growth factor induces activation and subcellular translocation of focal adhesion kinase (p125FAK) in cultured rat cardiac myocytes.
SO CIRCULATION RESEARCH, (1999 May 28) 84 (10) 1194-202.
Journal code: DAJ; 0047103. ISSN: 0009-7330.
AU Takahashi N; Seko Y; Noiri E; Tobe K; Kadowaki T; Sabe H; Yazaki Y
AN 1999278200 MEDLINE

L169 ANSWER 18 OF 53 SCISEARCH COPYRIGHT 2002 ISI (R)
TI 'Outside-in' signalling mechanisms underlying CD11b/CD18-mediated NADPH oxidase activation in human adherent blood eosinophils
SO BRITISH JOURNAL OF PHARMACOLOGY, (NOV 1999) Vol. 128, No. 6, pp. 1149-1158.
Publisher: STOCKTON PRESS, HOUNDMILLS, BASINGSTOKE RG21 6XS, HAMPSHIRE, ENGLAND.
ISSN: 0007-1188.
AU Lynch O T; Giembycz M A; Barnes P J; Hellewell P G; Lindsay M A (Reprint)
AN 1999:934514 SCISEARCH

L169 ANSWER 19 OF 53 MEDLINE DUPLICATE 15
TI Selective requirement for **Src** kinases during **VEGF** -induced angiogenesis and vascular permeability.
SO MOLECULAR CELL, (1999 Dec) 4 (6) 915-24.
Journal code: C5E; 9802571. ISSN: 1097-2765.
AU Eliceiri B P; Paul R; Schwartzberg P L; Hood J D; Leng J; Cheresh D A
AN 2000101234 MEDLINE

L169 ANSWER 20 OF 53 MEDLINE DUPLICATE 16
TI Early induction of angiogenetic signals in gliomas of GFAP-v-src transgenic mice.
SO AMERICAN JOURNAL OF PATHOLOGY, (1999 Feb) 154 (2) 581-90.
Journal code: 3RS; 0370502. ISSN: 0002-9440.
AU Theurillat J P; Hainfellner J; Maddalena A; Weissenberger J; Aguzzi A
AN 1999149661 MEDLINE

L169 ANSWER 21 OF 53 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
TI Role of tyrosine residues and protein interaction domains of SHC adaptor in VEGF receptor 3 signaling.
SO Oncogene, (Jan. 14, 1999) Vol. 18, No. 2, pp. 507-514.
ISSN: 0950-9232.

AU Fournier, Emmanuel; Blaikie, Pamela; Rosnet, Olivier; Margolis, Benjamin; Birnbaum, Daniel (1); Borg, Jean-Paul
AN 1999:124999 BIOSIS

L169 ANSWER 22 OF 53 HCAPLUS COPYRIGHT 2002 ACS
TI Protein phosphorylation in shear stress activated endothelial cells
SO Endothelial Cell Res. Ser. (1999), 6(Mechanical Forces and the Endothelium), 69-87
CODEN: ECRSFY; ISSN: 1384-1270
AU Shyy, John Y.-J.; Li, Yi-Shuan; Li, Song; Jalali, Shila; Kim, Michael; Usami, Shunichi; Chien, Shu
AN 1999:653131 HCAPLUS
DN 132:91115

L169 ANSWER 23 OF 53 MEDLINE DUPLICATE 17
TI A dual inhibitor of platelet-derived growth factor beta-receptor and Src kinase activity potently interferes with motogenic and mitogenic responses to PDGF in vascular smooth muscle cells. A novel candidate for prevention of vascular remodeling.
SO CIRCULATION RESEARCH, (1999 Jul 9) 85 (1) 12-22.
Journal code: DAJ; 0047103. ISSN: 1524-4571.
AU Waltenberger J; Uecker A; Kroll J; Frank H; Mayr U; Bjorge J D; Fujita D; Gazit A; Hombach V; Levitzki A; Bohmer F D
AN 1999330572 MEDLINE

L169 ANSWER 24 OF 53 HCAPLUS COPYRIGHT 2002 ACS
TI Fusion proteins containing multiple domains binding to a target protein and their investigative and therapeutic uses
SO PCT Int. Appl., 58 pp.
CODEN: PIXXD2
IN Cowburn, David; Zheng, Jie; Barany, George; Xu, Qinhong
AN 1998:251265 HCAPLUS
DN 128:305398

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9816638	A1	19980423	WO 1996-US16495	19961016
	W: AU, CA, JP, MX				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9674324	A1	19980511	AU 1996-74324	19961016

L169 ANSWER 25 OF 53 MEDLINE DUPLICATE 18
TI Homologous up-regulation of KDR/Flk-1 receptor expression by vascular endothelial growth factor in vitro.
SO JOURNAL OF BIOLOGICAL CHEMISTRY, (1998 Nov 6) 273 (45) 29979-85.
Journal code: HIV; 2985121R. ISSN: 0021-9258.
AU Shen B Q; Lee D Y; Gerber H P; Keyt B A; Ferrara N; Zioncheck T F
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L169 ANSWER 26 OF 53 MEDLINE DUPLICATE 19
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ANSWER SET L169 HAS BEEN SAVED AS 'PP1/A'

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L121 ANSWER 7 OF 53 MEDLINE DUPLICATE 7
AB **Vascular endothelial** growth factor (**VEGF**) appears to be a critical cytokine modulating the growth and spread of Kaposi's sarcoma (KS). Furthermore, infection with the KS herpes virus results in up-regulation of **VEGF** and triggering of **VEGF** receptor activation. The molecular mechanisms regulating such cytokine-driven proliferation of KS cells are not well characterized. We investigated the role of **Src**-related tyrosine kinases in **VEGF**-mediated signaling in model KS 38 tumor cells. **VEGF** stimulation specifically activated c-**Src** kinase activity but not that of other related **Src** kinases such as Lyn, Fyn, or Hck in KS cells. **Pyrazolopyrimidine**, a selective inhibitor of **Src** family tyrosine kinases, significantly blocked the **VEGF**-induced growth of KS cells. Further studies using mutants of c-**Src** kinase revealed that **Src** mediates mitogen-activated protein kinase activation induced by **VEGF**. We also observed that **VEGF** stimulation resulted in increased tyrosine phosphorylation of the focal adhesion components paxillin and p130cas. Furthermore, **VEGF** induction enhanced the complex formation between **Src** kinase and paxillin. **Src** kinase appears to play an important functional role in **VEGF**-induced signaling in KS cells and may act to link pathways from the **VEGF** receptor to mitogen-activated protein kinase and cytoskeletal components, thereby effecting tumor proliferation and migration.

L121 ANSWER 11 OF 53 SCISEARCH COPYRIGHT 2002 ISI (R) DUPLICATE 10

L121 ANSWER 15 OF 53 MEDLINE DUPLICATE 12
AB Vascular endothelial growth factor (VEGF) is a potent endothelial cell-specific mitogen that promotes angiogenesis, vascular hyperpermeability, and vasodilation by autocrine mechanisms involving nitric oxide (NO) and prostacyclin (PGI(2)) production. These experiments used immunoprecipitation and immunoassay procedures to characterize the signaling pathways by which VEGF induces NO and PGI(2) formation in cultured endothelial cells. The data showed that VEGF stimulates complex formation of the flk-1/kinase-insert domain-containing receptor (KDR) **VEGF** receptor with c-**Src** and that **Src** activation is required for **VEGF** induction of phospholipase C gamma1 activation and inositol 1,4,5-trisphosphate formation. Reporter cell assays showed that VEGF promotes a approximately 50-fold increase in

NO formation, which peaks at 5-20 min. This effect is mediated by a signaling cascade initiated by flk-1/KDR activation of c-Src, leading to phospholipase C gamma1 activation, inositol 1,4,5-trisphosphate formation, release of [Ca(2+)](i) and nitric oxide synthase activation. Immunoassays of VEGF-induced 6-keto prostaglandin F(1alpha) formation as an indicator of PGI(2) production revealed a 3-4-fold increase that peaked at 45-60 min. The PGI(2) signaling pathway follows the NO pathway through release of [Ca(2+)](i), but diverges prior to NOS activation and also requires activation of mitogen-activated protein kinase. These results suggest that NO and PGI(2) function in parallel in mediating the effects of VEGF.

L121 ANSWER 20 OF 53 MEDLINE DUPLICATE 16

AB Angiogenesis is a prerequisite for solid tumor growth. Glioblastoma multiforme, the most common malignant brain tumor, is characterized by extensive vascular proliferation. We previously showed that transgenic mice expressing a GFAP-v-src fusion gene in astrocytes develop low-grade astrocytomas that progressively evolve into hypervascularized glioblastomas. Here, we examined whether tumor progression triggers angiogenetic signals. We found abundant transcription of **vascular endothelial** growth factor (**VEGF**) in neoplastic astrocytes at surprisingly early stages of tumorigenesis. **VEGF** and v-**src** expression patterns were not identical, suggesting that **VEGF** activation was not only dependent on v-**src**. Late-stage gliomas showed perinecrotic **VEGF** up-regulation similarly to human glioblastoma. Expression patterns of the endothelial angiogenic receptors flt-1, flk-1, tie-1, and tie-2 were similar to those described in human gliomas, but flt-1 was expressed also in neoplastic astrocytes, suggesting an autocrine role in tumor growth. In crossbreeding experiments, hemizygous ablation of the tumor suppressor genes Rb and p53 had no significant effect on the expression of VEGF, flt-1, flk-1, tie-1, and tie-2. Therefore, expression of angiogenic signals is an early event during progression of GFAP-v-src tumors and precedes hypervascularization. Given the close similarities in the progression pattern between GFAP-v-src and human gliomas, the present results suggest that these mice may provide a useful tool for antiangiogenic therapy research.

L121 ANSWER 30 OF 53 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V. DUPLICATE 21

AB Tyrosine kinases, first described as oncogenes, have been shown to play a role in normal cellular processes. Aberrations in tyrosine kinase activity lead to disease states. For fifteen years it has been postulated that the inhibition of tyrosine kinases may have therapeutic utility and the design and testing of inhibitors have been major focuses of research and development in both academic institutions and pharmaceutical companies. While early research focused on developing chemical entities that mimic phosphotyrosine, later research has focused on developing competitive adenosine triphosphate (ATP) inhibitors with various levels of selectivity on kinase targets. This review focuses on a discussion of tyrosine kinases thought to be important in disease, including platelet-derived growth factor (PDGF), fibroblast growth factor (FGF), **vascular endothelial** cell growth factor (**VEGF**), epidermal growth factor (EGF) receptors, HER-2 and **Src**. In addition, the classes of inhibitors designed to affect these targets and that have overcome research and development challenges and entered clinical trials are discussed. These include isoxazole, quinazoline, substituted pyrimidines and indolinone compounds, all of which are in clinical trials or near clinical development by SUGEN, Zeneca, Novartis, Pfizer and Parke-Davis. A summary of the chemistry and activity of these agents is provided.

L121 ANSWER 35 OF 53 MEDLINE DUPLICATE 24

AB Hemodynamic abnormalities have been implicated in the pathogenesis of the increased glomerular permeability to protein of diabetic and other glomerulopathies. Vascular permeability factor (VPF) is one of the most powerful promoters of vascular permeability. We studied the effect of stretch on VPF production by human mesangial cells and the intracellular signaling pathways involved. The application of mechanical stretch (elongation 10-) for 6 h induced a 2.4-fold increase over control in the VPF mRNA level ($P < 0.05$). There was a corresponding 3-fold increase in VPF protein level by 12 h ($P < 0.001$), returning to the baseline by 24 h. Stretch-induced VPF secretion was partially prevented both by the protein kinase C (PKC) inhibitor H7 (50 microM: 72* inhibition, $P < 0.05$) and by pretreatment with phorbol ester (phorbol-12-myristate-13 acetate 10(-)7 M: 77* inhibition, $P < 0.05$). A variety of protein tyrosine kinase (PTK) inhibitors, genistein (20 microg/ml), herbimycin A (3.4 microM), and a specific pp60(**src**) peptide inhibitor (21 microM) also significantly reduced, but did not entirely prevent, stretch-induced **VPF** protein secretion (respectively 63*, 80*, and 75* inhibition; $P < 0.05$ for all). The combination of both PKC and PTK inhibition completely abolished the VPF response to mechanical stretch (100* inhibition, $P < 0.05$). Stretch induces VPF gene expression and protein secretion in human mesangial cells via PKC- and PTK-dependent mechanisms.

L121 ANSWER 39 OF 53 SCISEARCH COPYRIGHT 2002 ISI (R) DUPLICATE 27

AB Balloon angioplasty disrupts the protective endothelial lining of the arterial wall, rendering arteries susceptible to thrombosis and intimal thickening. We show here that Vascular endothelial growth factor (VEGF), an endothelial cell mitogen, is upregulated in medial smooth muscle cells of the arterial wall in response to balloon injury. Both protein kinase C (PKC) and tyrosine kinase pp60(**src**) mediate augmented **VEGF** expression. In contrast, nitric oxide (NO) donors inhibit PKC-induced **VEGF** upregulation by interfering with binding of the transcription factor activator protein-1 (AP-1) to the VEGF promoter. Inhibition of VEGF promoter activation suggests that NO secreted by a restored endothelium functions as the negative feedback mechanism that downregulates VEGF expression to basal levels. Administration of a neutralizing VEGF antibody impaired reendothelialization following balloon injury performed in vivo. These findings establish a reciprocal relation between VEGF and NO in the endogenous regulation of endothelial integrity following arterial injury.

L121 ANSWER 52 OF 53 MEDLINE DUPLICATE 35

AB Vascular endothelial growth factor (VEGF) is a homodimeric peptide growth factor which binds to two structurally related tyrosine kinase receptors denoted Flt1 and KDR. In order to compare the signal transduction via these two receptors, the human Flt1 and KDR proteins were stably expressed in porcine aortic endothelial cells. Binding analyses using 125I-VEGF revealed Kd values of 16 pM for Flt1 and 760 pM for KDR. Cultured human umbilical vein endothelial (HUVE) cells were found to express two distinct populations of binding sites with affinities similar to those for Flt1 and KDR, respectively. The KDR expressing cells showed striking changes in cell morphology, actin reorganization and membrane ruffling, chemotaxis and mitogenicity upon VEGF stimulation, whereas Flt1 expressing cells lacked such responses. KDR was found to undergo ligand-induced autophosphorylation in intact cells, and both Flt1 and KDR were phosphorylated in vitro in response to VEGF, however, KDR much more efficiently than Flt1. Neither the receptor-associated activity of phosphatidylinositol 3'-kinase nor tyrosine phosphorylation of phospholipase C-gamma were affected by stimulation of Flt1 or KDR expressing cells, and phosphorylation of GTPase activating protein was

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only slightly increased. Members of the **Src** family such as Fyn and **Yes** showed an increased level of phosphorylation upon **VEGF** stimulation of cells expressing Flt1 but not in cells expressing KDR. The maximal responses in KDR expressing porcine aortic endothelial cells were obtained at higher VEGF concentrations as compared to HUVE cells, i.e. in the presence of Flt1. This difference could possibly be explained by the formation of heterodimeric complexes between KDR and Flt1, or other molecules, in HUVE cells.

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